

ABSTRACT

The invention relates to an airborne-sound absorbing component, in particular for motor vehicles, comprising a resonance absorber (1) with a plurality of differently sized hollow chambers (2) spaced apart from each other, and comprising a porous sound-absorbing layer (8) made of an air-permeable material, which layer faces the incoming sound, wherein in each instance the hollow chambers comprise a wall section (5) which faces the incoming sound. The wall sections (5), which face the incoming sound and which are able to oscillate, are closed off so as to be airtight, wherein the resonance absorber (1) comprises one or several spacers (10) such that at least the majority of the wall sections (5) of the hollow chambers (2), which wall sections face the incoming sound, do not establish contact with the porous layer (8) and are able to oscillate independently of said porous layer (8). As a result of these features improved sound absorption capability across a broad frequency range is achieved.

Fig. 1 has been provided for the abstract.